



Sheet 1 of 1

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. PU-0082/99-1598-1	Application No. 10/009,228
		Applicant Joe Joe Z. Tsien	
		Filing Date March 12, 2002	Group 1632 1646
		Confirmation No. 5571	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SS	44	Copies of the Supplementary Partial European Search Report dated June 21, 2002 (EP 00 93 0467) and Communication pursuant to Article 96(2) EPC dated June 11, 2004	
SS	45	Huang, E.P., et al., "The matter of mind: molecular control of memory," <i>Essays in Biochemistry</i> , 1998, 33, 165-178	
SS	46	Izquierdo, I., et al., "Role of NMDA receptors in memory," <i>TIPS</i> , 1991, 128-129	
SS	47	Levin, E.D., et al., "Nicotine-dizocilpine interactions and working and reference memory performance of rats in the radial-arm maze," <i>Pharm. Biochem. & Behav.</i> , 1998, 61(3), 335-340	
SS	48	Puma, C., et al., "Intraseptal infusions of a low dose of AP5, a NMDA receptor antagonist, improves memory in an object recognition task in rats," <i>Neuroscience Letts.</i> , 1998, 248, 183-186	
SS	49	Schwartz, B.L., et al., "d-cycloserine enhances implicit memory in Alzheimer patients," <i>Neurology</i> , 1996, 46, 420-424	
SS	50	Tang, Y.-P., et al., "Genetic enhancement of learning and memory in mice," <i>Nature</i> , 1999, 40, 63-69	
SS	51	Temple, M.D., et al., "Chronic, post-injury administration of D-cycloserine, an NMDA partial agonist, enhances cognitive performance following experimental brain injury," <i>Brain Res.</i> , 1996, 741, 246-251	
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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. PU-0082	Serial No. 00/009228
		Applicant Joe Z. Tsien	
		Filing Date March 12, 2002	Group Not Yet Assigned 164p

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
* SS	AA	Ausubel, et al., <i>Current Protocols in Molecular Biology</i> , 1999 (Too Vol)
SS	AB	Brinster, R.L. et al., "Factors affecting the efficiency of introducing foreign DNA into mice by microinjecting eggs", <i>Proc. Natl. Acad. Sci. USA</i> , 1985, 82, 4438-4442
SS	AC	Capecchi, M.R., "Altering the genome by homologous recombination", <i>Science</i> , 1989, 244, 1288-1292
SS	AD	Carmignoto & Vicini, "Activity-Dependant decrease in NMDA receptor responses during development of the visual cortex", <i>Science</i> , 1992, 258, 1007-11
* SS	AE	Davis, et al., "In: The psychology of learning and memory", 1987, Bower, G.H (ed)
SS	AF	Dudek, S.M. et al., "Bidirectional long-term modification of synaptic effectiveness in the adult and immature hippocampus", <i>J. Neuroscience</i> , 1993, 13, 2910-2918
SS	AG	Falls, W.A. et al., "Extinction of fear-potentiated startle: Blockade by infusion of an NMDA antagonist into the amygdala", <i>J. Neuroscience</i> , 1992, 12, 854-863
SS	AH	Harris, K.M. et al., "Developmental onset of long-term potentiation in area cal of the rat hippocampus", <i>J. Physiol. (Lond)</i> 1984, 346, 27-48
SS	AI	Hestrin, S., "Developmental regulation of NMDA receptor-mediated synaptic currents at a central synapse", <i>Nature</i> , 1992, 357, 686-689
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* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



Form PTO 1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. PU-0082	Serial No. 10/009,228
		Applicant Joe Z. Tsien	
		Filing Date March 12, 2002	Group Not Yet Assigned 144b
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
* <i>CS</i>	AJ	Hogan, et al., "Manipulating in the Mouse Embryo- A Laboratory Manual," Cold Spring Harbor Laboratory Press, 1994	
<i>SS</i>	AK	Hollman & Heinemann, "Cloned glutamate receptors", <i>Annu. Rev. Neurosci</i> , 1994, 17, 31-108	
* <i>SS</i>	AL	Joyner, "Gene Targeting," IRL Press, Oxford, 1993	
<i>SS</i>	AM	Joyner, A.L. et al., "Production of a mutation in mouse En-2 gene by homologous recombination in embryonic stem cells", <i>Nature</i> , 1989, 338, 153-156	
<i>SS</i>	AN	Kim, J.J. et al., "Selective impairment of long-term but not short-term conditional fear by the N-Methyl-d-aspartate antagonist APV", <i>Behav. Neurosci</i> , 1992, 106, 591-596	
<i>SS</i>	AO	Liu, G. et al., "Variability of neurotransmitter concentration and nonsaturation of postsynaptic AMPA receptors at synapses in hippocampal cultures and slices", <i>Neuron</i> , 1999, 22, 395-409	
<i>SS</i>	AP	Mayford, M. et al., "CaMK11 regulates the frequency-response function of hippocampal synapses for the production of both LTD and LTP", <i>Cell</i> , 1995, 81, 891-904	
<i>SS</i>	AQ	McHugh, T.J. et al., "Impaired hippocampal representation of space in CA1-specific NMDAR1 knockout mice" <i>Cell</i> , 1996, 87, 1339-1349	
<i>SS</i>	AR	Migaud, M. et al., "Enhanced long-term potentiation and impaired learning in mice with mutant postsynaptic density-95 protein", <i>Nature</i> , 1998, 396, 433-439	
EXAMINER <i>[Signature]</i>		DATE CONSIDERED <i>4/28/05</i>	

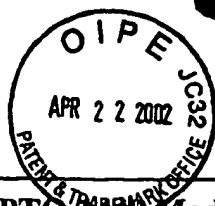
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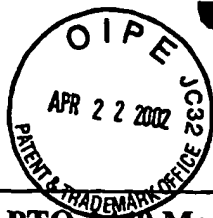
Form PTO-49 Modified		Docket No. PU-0082	Serial No. 10/009,228 5 2002
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		Filing Date March 12, 2002	Group Not Yet Assigned 1644
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
SS	AS	Monyer, H. et al., "Heteromeric NMDA receptors: Molecular and functional distinction of subtypes", <i>Science</i> , 1992, 256, 1217-1221	
SS	AT	Monyer, H. et al., "Developmental and regional expression in the rat brain and functional properties of four NMDA receptors", <i>Neuron</i> , 1994, 12, 529-540	
SS	AU	Morris, R.G.M. et al., "Place navigation impaired in rats with hippocampal lesions", <i>Nature</i> , 1982, 24, 681-683	
SS	AV	Mumby, D.G. et al., "Ischemia-Induced object-recognition deficits in rats are attenuated by hippocampal ablation before or soon after ischemia", <i>Behav. Neurosci.</i> , 1996, 110, 266-281	
SS	AW	Myhrer, T. "Exploratory behavior and reaction to novelty in rats with hippocampal perforant path systems disrupted", <i>Behav. Neurosci.</i> , 1988, 102, 356-362	
SS	AX	Nakanishi, S., "Molecular diversity of glutamate receptors and implications for brain function", <i>Science</i> , 1992, 258, 597-603	
SS	AY	Okabe, S. et al., "Hippocampal synaptic plasticity in mice overexpressing an embryonic subunit of the NMDA receptor", <i>J. Neurosci.</i> , 1998, 18, 4177-4188	
SS	AZ	Phillips, R.G. et al., "Differential contribution of amygdala and hippocampus to cued and contextual fear conditioning", <i>Behav. Neurosci.</i> , 1992, 106, 274-285	
SS	BA	Reed, J.M. et al., "Impaired recognition memory in patients with lesions limited to the hippocampal formation" <i>Behav. Neurosci.</i> , 1997, 111, 667-675	
SS	BB	Sheng, M. et al., "Changing subunit composition of heteromeric NMDA receptors during development of rat cortex", <i>Nature</i> , 1994, 368, 144-147	
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* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.



Form PTO-100 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. PU-0082	Serial No. 10/009,228 RECEIVED APR 25 2002 TECH CENTER 1800/2900 Group Not Yet Assigned 1646
		Applicant Joe Z. Tsien	
		Filing Date March 12, 2002	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CS	BC	Staubli, U. et al., "Factors regulating the reversibility of long-term potentiation", <i>J. Neurosci.</i> , 1996, 16, 853-60	
* SS	BD	Teratocarcinomas and Embryonic Stem Cells, A Practical Approach, 1987	
SS	BE	Thomas, K.R. et al., "Site-directed mutagenesis by gene targeting in mouse embryo-derived stem cells", <i>Cell</i> , 1987, 51, 503-512	
SS	BF	Tsein, J.Z. et al., "The essential role of hippocampal CA1 NMDA receptor-dependant synaptic plasticity in spatial memory", <i>Cell</i> , 1996, 87, 1327-1338	
SS	BG	Tsien, J.Z. et al., "Subregion- and cell type-restricted gene knockout in mouse brain" <i>Cell</i> , 1996, 87, 1317-26	
SS	BH	Wagner, E.F. et al., "The human β -globin gene and a functional viral thymidine kinase gene in developing mice", <i>Proc. Natl. Acad. Sci.</i> , 1981, 78, 5016-5020	
* SS	BI	Wasserman, et al., "A guide to Techniques in Mouse Development", 1993, Academic Press	
SS	BJ	Leonard, et al., "Calcium/calmodulin-dependant protein kinase II is associated with the N-methyl-D-aspartate receptor", <i>Proc. Natl. Acad. Sci. USA</i> , 1999, 96, 3239-3244	
SS	BK	Petralia, et al., "The NMDA receptor subunits NR2A and NR2B show histological and ultrastructural localization patterns similar to those of NR1", <i>J. Neurosci.</i> , 1994, 14(10), 6102-6120	
SS	BL	Rosenblum, et al., "NMDA receptor and the tyrosine phosphorylation of its 2B subunit in taste learning in the rat insular cortex", <i>J. Neurosci.</i> , 1997, 17(13), 5129-5135	
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Form PTO-1449 Modified		Docket No. PU-0082	Serial No. 107069/2800
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Joe Z. Tsien	RECEIVED APR 25 2002 TECH CENTER 1600/2800
U.S. Department of Commerce Patent and Trademark Office		Filing Date March 12, 2002	Group Not Yet Assigned 164p
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
CS	BM	Sprengel, R. et al., "Importance of the intracellular domain of NR2 subunits for NMDA receptor function in vivo", <i>Cell</i> , 1998, 92, 279-289	
SS	BN	Strack, et al., "Autophosphorylation-dependant targeting of calcium/calmodulin-dependent protein kinase II by the NR2B subunit of the N-methy-D-aspartate receptor", <i>J. Biol. Chem</i> , 1998, 273(33), 20689-20692	
SS	BO	Shimizu, E. et al., "NMDA receptor-dependant synaptic reinforcement as a crucial process for memory consolidation", <i>Science</i> , 2000, 290, 1170-1174	
SS	BP	Tang, Y.P. et al., "Differential effects of enrichment on learning and memory function in NR2B transgenic mice", <i>Neuropharmacology</i> , 2001, 41, 779-790	
SS	BQ	Tsien, J. "Building a Brainer Mouse", <i>Scientific American</i> , 2000, 42-48	
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